

INFORMATION DISCLOSURE CITATION

Form PTO-1449 (Modified)

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ATTY. DOCKET NO.
UCSF129CIPSERIAL NO.
09/817,360APPLICANT
GERMAN et al.CONFIRMATION NO.
2345FILING DATE
MARCH 20, 2001EXAMINER (GROUP)
UNASSIGNED (1635)

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	5,795,723	08/18/98	Tapscott et al.		
DL	AB	5,830,730	11/03/98	German et al.		
DL	AC	6,127,598	10/03/00	German et al.		

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
DL	AD	WO 01/01130	04 JAN 2001	PCT WIPO			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AE	GenBank Accession No. U76208, deposited February 5, 1997
	AF	GenBank Accession No. Y09167, deposited November 14, 1997.
	AG	GenBank Accession No. Y10619, deposited May 6, 1997.
DL	AH	GenBank Accession No. AJ133776.1, deposited June 19, 1999.
	AI	GenBank Accession No. NM_020999, deposited November 29, 2000.
	AJ	Furuta et al. (August 1998), "Beta-Cell Transcription Factors and Diabetes." <i>Diabetes</i> , Vol. 47:1356-1358.
	AK	Goldfine et al. (December 1997), "The Endocrine Secretion of Human Insulin and Growth Hormone by Exocrine Glands of the Gastrointestinal Tract." <i>Nature Biotechnology</i> , Vol. 15:1378-1382.
	AL	Horikawa et al. (November 2000), "Beta-Cell Transcription Factors and Diabetes." <i>Diabetes</i> , Vol. 49:1955-1957.
	AM	Iannotti et al. (1997), "Identification of a Human LMX1 (LMX1.1)-Related Gene, LMX1.2:Tissue Specific Expression and Linkage Mapping of Chromosome 9." <i>Genomics</i> , Vol. 43:520-524.
DL	AN	Inoue et al. (1997), "Isolation, Characterization, and Chromosomal Mapping of the Human Nkx6.1 Gene (NKX6A), a New Pancreatic Islet Homeobox Gene." <i>Genomics</i> , Vol. 40:367-370.

EXAMINER <i>Brian M. H. [Signature]</i>	DATE CONSIDERED <i>12/17/02</i>
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R~	AO	Mamra et al. (May 12, 2000), "Beta-Cell Differentiation Factor Nkx6.1 Contains Distinct DNA Binding Interference and Transcriptional Repression Domains." <i>The Journal of Biochemistry</i> , Vol. 275(19):14743-14751.
	AP	Odagiri et al. (January 26, 1996), "Function of the Human Insulin Promoter in Primary Cultured Islet Cells." <i>The Journal of Biochemistry</i> , Vol. 271(4):1909-1915.
	AQ	Ogata et al. (March 2001), "Mutations in the Coding Region of Neurogenin 3 Gene (NEUROG3) are no Common Cause of Maturity-Onset Diabetes in Japanese Subject." <i>Diabetes</i> , Vol. 50(3):694-696.
	AR	Rudnick et al. (December 1994), "Pancreatic Beta Cells Express a Diverse Set of Homeobox Genes." <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 91:12203-12207.
	AS	Sander et al. (September 1998), "A Novel Glucose-Responsive Element in the Human Insulin Gene Function as Uniquely in Primary Cultured Islets." <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 95:11572-11577.
	AT	Sander et al. (1997), "The beta Cell Transcription Factors and Development of the Pancreas." <i>J. Mol. Med.</i> , Vol. 75:327-340.
	AU	Sander et al. (1997), "Genetic Analysis Reveals that PAX6 is Required for Normal Transcription of Pancreatic Hormone Genes and Islet Development." <i>Genes and Development</i> , Vol. 11:1662-1673.
	AV	Sander et al. (2000), "Homeobox Gene Nkx6.1 Lies Downstream of Nkx2.2 in the Major Pathway of Beta-Cell Formation in the Pancreas." <i>Development</i> , Vol. 127:5533-5540.
R~	AW	Schwizgebel et al. (2000), "Expression of Neurogenin3 Reveals an Islet Cell Precursor Population in the Pancreas." <i>Development</i> , Vol. 127:3533-3542.
	AX	Sommer et al. (1996), "Neurogenins, a Novel Family of Atonal-Related bHLH Transcription Factors, Are Putative Mammalian Neuronal Determination Genes that Reveal Progenitor Cell Heterogeneity in the Developing CNS and PNS." <i>Molecular and Cellular Neuroscience</i> , Vol. 8:221-241.
R~	AY	Sussel et al. (1998), "Mice Lacking the Homeodomain Transcription Factor Kkx2.2 Have Diabetes due to Arrested Differentiation of Pancreatic Beta Cells." <i>Development</i> , Vol. 125:2213-2221.
	AZ	Wang et al. (April 1997), "Regulation of Insulin preRNA Splicing by Glucose." <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 94:4360-4365.
R~	BA	Watada et al. (2000), "Transcriptional and Translational Regulation of Beta-Cell Differentiation Factor Nkx6.1." <i>The Journal of Biological Chemistry</i> , Vol. 275(44):34224-34230.

EXAMINER

DATE CONSIDERED

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Substitute for form 1449A/PTO			Complete if Known		COPY OF PAPERS ORIGINALLY FILED
			Application Number	09/817,360	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Filing Date	March 20, 2001	7/2/02 SS
			First Named Inventor	German, et al.	
			Group Art Unit	1635	
			Examiner Name	Unassigned	
			Attorney Docket Number	UCSF-129CIP	
Sheet	1	of	2		

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Documents		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, columns, lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
BW	AA	5,795,723		Tapscott, et al.	08-18-1998	

FOREIGN PATENT DOCUMENTS								
Examiner Initials ¹	Cite No. ¹	Foreign Patent Documents			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
B~	AB		WO 96/34093		Lee, et al.	10-31-1996		

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS				
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a	AC	GRADWOHL, et al. "Neurogenin3 is required for the development of the four endocrine cell lineages of the pancreas", <i>Proc. Natl. Acad. Sci. USA.</i> , (2000) Vol. 97(4): 1607-1611.		
	AD	HUANG, et al. "Transcription factors involved in pancreatic islet development", <i>J. Biomedical Sci.</i> , (2000) Vol. 7(1): 27-34.		
	AE	JENSEN, et al. "Independent development of pancreatic alpha and beta cells from neurogenin3 – expressing precursors: A role for the Notch pathway in repression of premature differentiation", <i>Diabetes</i> , (2000) Vol. 49(2): 163-176.		
	AF	RAVASSARD, et al. "Relax, a novel rat bHLH transcriptional regulator transiently expressed in the ventricular proliferating zone of the developing central nervous system", <i>Canadian J. Chem.</i> , (1997) Vol. 48(2): 146-158.		
	AG	RAVASSARD, et al. "Homo sapiens gene for neurogenin3", <i>Database EMBL Online</i> , (1999) Database accession No. AJ33776.		
B~	AH	RUDINGER. "Characteristics of the amino acids as components of a peptide hormone sequence" in <i>Peptide Hormones</i> (ed. J.A. Parson), (1976) pp. 1-7, University Park Press, Baltimore.		

Examiner Signature	<i>David Allen</i>	Date Considered	12/7/02
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	09/817,369		
		Filing Date	March 20, 2001		
		First Named Inventor	German, et al.		
		Group Art Unit	1635		
		Examiner Name	Unassigned		
Sheet	2	of	2	Attorney Docket Number	UCSF-129CIP

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
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DU	AI	SOMMER, et al., "Neurogenins, a novel family of atonal-related bHLH transcription factors, are putative mammalian neuronal determination genes that reveal progenitor cell heterogeneity in the developing CNS and PNS," <i>Molecular and Cellular Neuroscience</i> , (1996) Vol. 8: 221-241.	
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DU	AL	GenBank Accession No. Y10619, deposited May 6, 1997	

Examiner Signature	<i>Brian A. H...</i>	Date Considered	12/20/02
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